Author index

Abiko, Y., see Shibata, Y. (971) 121
Afroun, S., Tenu, J.-P. and Lemaire, G.
Modifications of glycosylation patterns in macrophages upon activation (971) 137
Alberghina, L., see Zippel, R. (971) 351
Andersson, T., see Ng, J. (971) 207
Ansell, G.B., see Boam, D.S.W. (971) 215
Atwell, M.M. and Hanson, P.J.
Effect of pertussis toxin on the inhibition of secretory activity by prostaglandin E_2, somatostatin, epidermal growth factor and 12-*O*-tetradecanoylphorbol 13-acetate in parietal cells from rat stomach (971) 282

Baldwin, S.A., see Brown, S.J. (971) 339
Baron, B.M. and Limbird, L.E.
Human platelet phospholipase A_2 activity is responsive in vitro to pH and Ca^{2+} variations which parallel those occurring after platelet activation in vivo (971) 103
Behl, B., Sommermeyer, H., Goppelt-Strübe, M. and Resch, K.
Phospholipase C in rabbit thymocytes: subcellular distribution and influences of calcium and GTPγS on the substrate dependence of cytosolic and plasma membrane-associated phospholipase C (971) 179
Belay, N., Sparling, R., Choi, B.-S., Roberts, M., Roberts, J.E. and Daniels, L.
Physiological and ^{15}N-NMR analysis of molecular nitrogen fixation by *Methanococcus thermolithotrophicus, Methanobacterium bryantii* and *Methanospirillum hungatei* (971) 233
Boam, D.S.W., Spanner, S.G., Ansell, G.B. and Stanworth, D.R.
Synergistic enhancement of histamine release from rat peritoneal mast cells by the phorbol ester 12-*O*-tetradecanoylphorbol 13-acetate is not reflected by corresponding changes in phospholipid turnover (971) 215
Borin, G., see Marchiori, F. (971) 332
Brindle, K.M., see Wolfe, C.L. (971) 9
Brown, S.J., Gould, G.W., Davies, A., Baldwin, S.A., Lienhard, G.E. and Gibbs, E.M.
Characterization of vesicles containing insulin-responsive intracellular glucose transporters isolated from 3T3-L1 adipocytes by an improved procedure (971) 339

Calderan, A., see Marchiori, F. (971) 332
Cantrill, R.C., see Heithier, H. (971) 298
Cantrill, R.C., see Ward, L.D. (971) 307
Carrascosa, J.M., Schleicher, E., Maier, R., Hackenberg, C. and Wieland, O.H.
Separation of the protein-tyrosine kinase and phosphatidylinositol kinase activities of the human placental insulin receptor (971) 170
Case, R.M., see Seo, Y. (971) 289
Chen, K.Y. and Dou, Q.-P.
Isolation and characterization of an 18 kDa hypusine-containing protein from cultured NB-15 mouse neuroblastoma cells (971) 21
Chiba, P., Wallner, C. and Kaiser, E.
S-Adenosylmethionine metabolism in HL-60 cells: effect of cell cycle and differentiation (971) 38
Chisholm, A.A.K. and Cohen, P.
The myosin-bound form of protein phosphatase 1 ($PP\text{-}1_M$) is the enzyme that dephosphorylates native myosin in skeletal and cardiac muscles (971) 163
Choi, B.-S., see Belay, N. (971) 233
Christiansen, N.O., Larsen, C.S. and Esmann, V.
A study on the role of protein kinase C and intracellular calcium in the activation of superoxide generation (971) 317
Cohen, P., see Chisholm, A.A.K. (971) 163
Comoglio, P.M., see Zippel, R. (971) 351
Cottell, B., see Palmblad, J. (971) 92
Crerar, M.M., David, E.S. and Storey, K.B.
Electrophoretic analysis of liver glycogen phosphorylase activation in the freeze-tolerant wood frog (971) 72

Daniels, L., see Belay, N. (971) 233
David, E.S., see Crerar, M.M. (971) 72
Davies, A., see Brown, S.J. (971) 339
DeLoach, J.R., see Holt, P.S. (971) 1
Derksen, J.T.P., Morselt, H.W.M. and Scherphof, G.L.
Uptake and processing of immunoglobulin-coated liposomes by subpopulations of rat liver macrophages (971) 127
Dou, Q.-P., see Chen, K.Y. (971) 21
Drake, A.F., see Wawrzynczak, E.J. (971) 55

Eisuke, , see Miyahara, M. (971) 46
Esmann, V., see Christiansen, N.O. (971) 317
Evans, C.H., see Sung, K. (971) 148

Forchhammer, J., see Klarlund, J.K. (971) 112
Fredholm, B.B., see Ng, J. (971) 207
Freeman, B., see Heithier, H. (971) 298
Fujiki, H., see Ohuchi, K. (971) 85

Garlick, P.J., see Preedy, V.R. (971) 275
Gentile, F., Raptis, A., Knipling, L.G. and Wolff, J.
Extracellular cAMP formation from host cell ATP by *Bordetella pertussis* adenylate cyclase (971) 63
Georgescu, H.I., see Sung, K. (971) 148
Gibbs, E.M., see Brown, S.J. (971) 339
Gilbert, H.F., see Wolfe, C.L. (971) 9
Goppelt-Strübe, M., see Behl, B. (971) 179
Gould, G.W., see Brown, S.J. (971) 339

Grunewald, R.W., see Jans, A.W.H. (971) 157
Gyllenhammar, H., see Palmblad, J. (971) 92

Hackenberg, C., see Carrascosa, J.M. (971) 170
Hanson, P.J., see Atwell, M.M. (971) 282
Heithier, H., Ward, L.D., Cantrill, R.C., Klein, H.W., Im, M.-J., Pollak, G., Freeman, B., Schiltz, E., Peters, R. and Helmreich, E.J.M.
Fluorescent glucagon derivatives. I. Synthesis and characterisation of fluorescent glucagon derivatives (971) 298
Heithier, H., see Ward, L.D. (971) 307
Helmreich, E.J.M., see Heithier, H. (971) 298
Helmreich, E.J.M., see Ward, L.D. (971) 307
Hirasawa, N., see Ohuchi, K. (971) 85
Holt, P.S. and DeLoach, J.R.
Cellular effects of T-2 mycotoxin on two different cell lines (971) 1

Im, M.-J., see Heithier, H. (971) 298

Jans, A.W.H., Grunewald, R.W. and Kinne, R.K.H.
Pathways for organic osmolyte synthesis in rabbit renal papillary tissue, a metabolic study using ^{13}C-labeled substrates (971) 157
Jondal, M., see Ng, J. (971) 207

Kaiser, E., see Chiba, P. (971) 38
Kinne, R.K.H., see Jans, A.W.H. (971) 157
Kinoshita, M., see Matsuoka, H. (971) 255
Klarlund, J.K., Latini, S. and Forchhammer, J.
Numerous proteins phosphorylated on tyrosine and enhanced tyrosine kinase activities in vanadate-treated NIH 3T3 fibroblasts (971) 112
Klein, H.W., see Heithier, H. (971) 298
Knipling, L.G., see Gentile, F. (971) 63
Kramer, I.J.M., Van der Bend, R.L., Verhoeven, A.J. and Roos, D.
The 47-kDa protein involved in the NADPH:O_2 oxidoreductase activity of human neutrophils is phosphorylated by cyclic AMP-dependent protein kinase without induction of a respiratory burst (971) 189
Kusel, M., see McKie, A.T. (971) 325

Larsen, C.S., see Christiansen, N.O. (971) 317
Latini, S., see Klarlund, J.K. (971) 112
Lemaire, G., see Afroun, S. (971) 137
Lienhard, G.E., see Brown, S.J. (971) 339
Limbird, L.E., see Baron, B.M. (971) 103
Lucas, M.L., see McKie, A.T. (971) 325

Mackenzie, I.S., see Seo, Y. (971) 289
Maier, R., see Carrascosa, J.M. (971) 170
Malaisse, W.J. and Sener, A.
Hexose metabolism in pancreatic islets. Feedback control of D-glucose oxidation by functional events (971) 246
Marchiori, F., Meggio, F., Marin, O., Borin, G., Calderan, A., Ruzza, P. and Pinna, L.A.
Synthetic peptide substrates for casein kinase 2. Assessment of minimum structural requirements for phosphorylation (971) 332
Marin, O., see Marchiori, F. (971) 332
Matsumoto, S., see Matsuoka, H. (971) 255
Matsuoka, H., Matsumoto, S., Kinoshita, M. and Yamada, S.
Effective stage in the cell cycle for control of the budding direction of *cdc* mutants of *Saccharomyces cerevisiae* using electric stimulus (971) 255
Mbonyi, K. and Thevelein, J.M.
The high-affinity glucose uptake system is not required for induction of the RAS-mediated cAMP signal by glucose in cells of the yeast *Saccharomyces cerevisiae* (971) 223
McEwan, G.T.A., see McKie, A.T. (971) 325
McKie, A.T., Kusel, M., McEwan, G.T.A. and Lucas, M.L.
The effect of heat-stable *Escherichia coli* enterotoxin, theophylline and forskolin on cyclic nucleotide levels and mucosal surface (acid microclimate) pH in rat proximal jejunum in vivo (971) 325
Meggio, F. and Pinna, L.A.
Phosphorylation of phosvitin by casein kinase-2 provides the evidence that phosphoserines can replace carboxylic amino acids as specificity determinants (971) 227
Meggio, F., see Marchiori, F. (971) 332
Mendelow, D., see Sung, K. (971) 148
Mithieux, G. and Rousset, B.
Regulation of the microtubule–lysosome interaction: activation by Mg^{2+} and inhibition by ATP (971) 29
Miyahara, M., Okimasu, E., Uchida, H., Eisuke, , Sato, F., Yamamoto, M. and Utsumi, K.
Charge-dependent regulation of NADPH oxidase activities in intact and subcellular systems of polymorphonuclear leukocytes (971) 46
Morello, L., see Zippel, R. (971) 351
Morselt, H.W.M., see Derksen, J.T.P. (971) 127

Ng, J., Fredholm, B.B., Jondal, M. and Andersson, T.
Regulation of receptor-mediated calcium influx across the plasma membrane in a human leukemic T-cell line: evidence of its dependence on an initial calcium mobilization from intracellular stores (971) 207
Nilsson, E., see Palmblad, J. (971) 92

Odell, E.W. and Segal, A.W.
The bactericidal effects of the respiratory burst and the myeloperoxidase system isolated in neutrophil cytoplasts (971) 266
Ohuchi, K., Watanabe, M., Hirasawa, N., Tsurufuji, S., Ozeki, T. and Fujiki, H.
Inhibition by gossypol of tumor promoter-induced arachidonic acid metabolism in rat peritoneal macrophages (971) 85
Okimasu, E., see Miyahara, M. (971) 46
Ozeki, T., see Ohuchi, K. (971) 85

Palmblad, J., Gyllenhammar, H., Ringertz, B., Nilsson, E. and Cottell, B.
Leukotriene B_4 triggers highly characteristic and specific functional responses in neutrophils: studies of stimulus specific mechanisms (971) 92

Peters, R., see Heithier, H. (971) 298
Peters, R., see Ward, L.D. (971) 307
Pinna, L.A., see Marchiori, F. (971) 332
Pinna, L.A., see Meggio, F. (971) 227
Pollak, G., see Heithier, H. (971) 298
Preedy, V.R. and Garlick, P.J.
The effect of rejuvenation of aged erythrocytes on biochemical parameters in the perfused hind limb muscle preparation (971) 275

Radda, G.K., see Wolfe, C.L. (971) 9
Raptis, A., see Gentile, F. (971) 63
Resch, K., see Behl, B. (971) 179
Ringertz, B., see Palmblad, J. (971) 92
Roberts, J.E., see Belay, N. (971) 233
Roberts, M., see Belay, N. (971) 233
Roos, D., see Kramer, I.J.M. (971) 189
Rousset, B., see Mithieux, G. (971) 29
Ruzza, P., see Marchiori, F. (971) 332

Salord, J. and Schuber, F.
In vitro drug delivery mediated by ecto-NAD^+-glycohydrolase ligand-targeted liposomes (971) 197
Sato, F., see Miyahara, M. (971) 46
Scherphof, G.L., see Derksen, J.T.P. (971) 127
Schiltz, E., see Heithier, H. (971) 298
Schleicher, E., see Carrascosa, J.M. (971) 170
Schuber, F., see Salord, J. (971) 197
Segal, A.W., see Odell, E.W. (971) 266
Sener, A., see Malaisse, W.J. (971) 246
Seo, Y., Steward, M.C., Mackenzie, I.S. and Case, R.M.
Acetylcholine-induced metabolic changes in the perfused rabbit mandibular salivary gland studied by ^{31}P-NMR spectroscopy (971) 289
Shibata, Y., Abiko, Y. and Takiguchi, H.
Phospholipase A_2 in macrophage plasma membrane releases arachidonic acid from phosphatidylinositol (971) 121
Sommermeyer, H., see Behl, B. (971) 179
Spanner, S.G., see Boam, D.S.W. (971) 215
Sparling, R., see Belay, N. (971) 233
Stanworth, D.R., see Boam, D.S.W. (971) 215
Steward, M.C., see Seo, Y. (971) 289
Storey, K.B., see Crerar, M.M. (971) 72
Sturani, E., see Zippel, R. (971) 351
Sung, K., Mendelow, D., Georgescu, H.I. and Evans, C.H.
Characterisation of chondrocyte activation in response to cytokines synthesised by a synovial cell line (971) 148

Takiguchi, H., see Shibata, Y. (971) 121
Tenu, J.-P., see Afroun, S. (971) 137
Thevelein, J.M., see Mbonyi, K. (971) 223
Thorpe, P.E., see Wawrzynczak, E.J. (971) 55
Toschi, L., see Zippel, R. (971) 351
Tsurufuji, S., see Ohuchi, K. (971) 85

Uchida, H., see Miyahara, M. (971) 46
Utsumi, K., see Miyahara, M. (971) 46

Van der Bend, R.L., see Kramer, I.J.M. (971) 189
Verhoeven, A.J., see Kramer, I.J.M. (971) 189
Vitetta, E.S., see Wawrzynczak, E.J. (971) 55

Wallner, C., see Chiba, P. (971) 38
Ward, L.D., Cantrill, R.C., Heithier, H., Peters, R. and Helmreich, E.J.M.
Fluorescent glucagon derivatives. II. The use of fluorescent glucagon derivatives for the study of receptor disposition in membranes (971) 307
Ward, L.D., see Heithier, H. (971) 298
Watanabe, M., see Ohuchi, K. (971) 85
Watson, G.J., see Wawrzynczak, E.J. (971) 55
Wawrzynczak, E.J., Drake, A.F., Watson, G.J., Thorpe, P.E. and Vitetta, E.S.
Ricin B chain-containing immunotoxins prepared with heat-denatured B chain lacking galactose-binding ability potentiate the cytotoxicity of a cell-reactive ricin A chain immunotoxin (971) 55
Wieland, O.H., see Carrascosa, J.M. (971) 170
Wolfe, C.L., Gilbert, H.F., Brindle, K.M. and Radda, G.K.
Determination of buffering capacity of rat myocardium during ischemia (971) 9
Wolff, J., see Gentile, F. (971) 63

Yamada, S., see Matsuoka, H. (971) 255
Yamamoto, M., see Miyahara, M. (971) 46

Zippel, R., Morello, L., Toschi, L., Alberghina, L., Comoglio, P.M. and Sturani, E.
Effect of the growth conditions on the expression of cell-surface-associated platelet-derived growth factor receptors in mouse fibroblasts (971) 351